

WHAT IS CLAIMED:

Sub 11
Ex B 1. A method for treating cancer in a human, which comprises administering to said human an anti-cancer effective amount of a compound selected from the group consisting of gossypol, ~~gossypol acetic acid~~, gossypolone, anti-cancer effective metabolites thereof, or physiologically acceptable salts thereof, and a pharmaceutically acceptable carrier.

2. The method of claim 1, wherein said compound is gossypol acetic acid.

Sub 12 3. The method of claim 1 or 2, wherein said cancer is adrenal, ovarian, thyroid, testicular, pituitary, prostate, or breast cancer.

3A 4. The method of claim ²/₃, wherein said cancer is adrenal cancer.

5. The method of claim 4, wherein said gossypol acetic acid is administered in a dose of from about 40 to about 100 mg/d.

6. The method of claim 4, wherein said gossypol acetic acid is administered in compressed tablet form containing 10 mg at an initial dose of 20 mg/d, which is then increased by 10 mg/d every three days to a final dose of 50 mg/d.

7. The method of claim 5, wherein said gossypol acetic acid is administered orally, in divided doses, two to three times a day.

8. The method of claim 6, wherein said gossypol acetic acid is administered orally, in divided doses, two to three

~~B~~times a day.

9. A method for treating cancer in a human which comprises administering to said human an anti-cancer effective amount of gossypol acetic acid and an anti-cancer effective amount of gossypol, gossypolone, or a combination of said latter compounds.

10. A method for treating cancer in a human, which comprises administering to said human an anti-cancer effective amount of a conventional chemotherapeutic compound and an anti-cancer effective amount of a compound selected from the group consisting of gossypol, gossypol acetic acid, gossypolone, or a combination of said latter compounds.

11. The method of claim 10, wherein said conventional chemotherapeutic compound is selected from the group consisting of 5-fluorouracil, adriamycin, cytoxan, cisplatin, etoposide, suramin, or mitotane.

12. The method of claim 10, wherein said anti-cancer effective amount of a conventional chemotherapeutic compound is administered to said human in combination with an anti-cancer effective amount of gossypol acetic acid.

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